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IS 12268-3 (1989): Shipbuilding - Automatic Steam Traps for Marine Use, Part 3: Face-to-face Dimensions [TED 19: Marine Engineering and Safety Aids]



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“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SHIPBUILDING — AUTOMATIC STEAM TRAPS FOR MARINE USE

PART 3 FACE-TO-FACE DIMENSIONS

भारतीय मानक

जहाजनिर्माण — समुद्र में उपयोगी स्वचल भाप ट्रेप

भाग 3 आमने सामने के माप

UDC 621'186'6 : 621'643'412 : 006'78

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BUREAU OF INDIAN STANDARDS
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NEW DELHI 110002

May 1990

Price Group 1

FOREWORD

This Indian Standard (Part 3) was adopted by the Bureau of Indian Standards on 19 December 1989, after the draft finalized by the Marine Engineering Sectional Committee had been approved by the Transport Engineering Division Council.

The standard on automatic steam traps is being published in following five parts:

Part 1 Glossary of terms

Part 2 Classification

Part 3 Face-to-face dimensions

Part 4 Performance tests

Part 5 Marking

This part is based on ISO 6554-1980 'Flanged automatic steam traps — Face-to-face dimensions', issued by the International Organization for Standardization (ISO).

Indian Standard

SHIPBUILDING — AUTOMATIC STEAM TRAPS FOR MARINE USE

PART 3 FACE-TO-FACE DIMENSIONS

1 SCOPE

1.1 This standard (Part 3) specifies face-to-face dimensions for a range of automatic steam traps used in flanged pipe systems.

2 REFERENCES

2.1 The following Indian Standard is a necessary adjunct to this standard:

| <i>IS No.</i> | <i>Title</i> |
|-------------------------------|--|
| IS 12268 (Part 1) : 1987 | Specification for automatic steam traps for marine use : Part 1 Glossary of terms |

3 TERMINOLOGY

3.1 For the purpose of this standard, the follow-

ing definitions, in addition to those given in IS 12268 (Part 1) : 1987, shall apply.

3.2 Face-to-Face (FTF) Dimensions

The distance, expressed in millimetres, between the two planes, perpendicular to the trap axis, located at the extremities of the body end ports.

4 DIMENSIONS

4.1 The six basic series of face-to-face dimensions for flanged automatic steam traps, expressed in millimetres, are given in the Table 1 for the nominal sizes ranging from DN 15 to DN 50 inclusive, and for pressures to PN 40 inclusive.

4.1.1 These figures apply only to the steam traps themselves, and not to the whole assembly (accessories included) as installed in the pipeline.

Table 1 Face-to-Face Dimensions
(Clause 4.1)

| FTF Series No. DN | 1 | 2 | 3 | 4 | 5 | 6 |
|----------------------|-----|-----|-----|-----|-----|-----|
| 15 | 150 | 170 | 210 | 230 | 290 | 480 |
| 20 | | | | | | |
| 25 | 160 | 210 | 230 | 310 | 380 | 580 |
| 32 | 230 | 270 | 320 | 350 | 450 | |
| 40 | | | | 420 | 490 | 680 |
| 50 | | | | 500 | 560 | |

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Doc : No. TED 19 (746)

Amendments Issued Since Publication

| Amend No. | Date of Issue | Text Affected |
|-----------|---------------|---------------|
| | | |
| | | |
| | | |
| | | |

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